



Berner Construction, Incorporated

**Matteo Iron & Metal
Thorofare, New Jersey**

Installation of a Chain Link Fence

Project Plan and Health and Safety Plan (HASP)

Approved By:

**J. Robert Gallagher, P.E.
Project Coordinator**

Date

**Andrea K. Irely, P.E.
Quality Control/Quality Assurance
Coordinator**

Date

Acknowledged By:

**James Matteo
Owner's Representative
James Matteo & Sons**

Date

April 2006



**1101 Quarry Road • Gap, PA 17527
(717) 442-3110 • (717) 442-0457 fax
bernerconst@aol.com**

TABLE OF CONTENTS

1.0 GENERAL INFORMATION	1
1.1 Introduction.....	1
1.2 Summary	1
1.3 Acknowledgement	2
2.0 General Information	3
2.1 Scope of Site Activities.....	3
2.2 Task Description	3
2.2.1 Survey property line	3
2.2.2 Clearing property line	3
2.2.3 Post-Hole Excavation and Installation of fence posts	3
2.2.4 Installation of Chain Link Fence fabric	4
3.0 HEALTH AND SAFETY RISK ANALYSIS	5
3.1 Underground Utility Clearance	5
3.2 Non-Chemical Hazards	5
3.3 Chemical Hazards	6
4.0 HEALTH AND SAFETY FIELD IMPLEMENTATION.....	7
4.1 Personal Protective Equipment (PPE) Requirements	7
4.2 Monitoring Equipment Requirements.....	7
4.3 Decontamination Procedures	7
5.0 SITE OPERATING PROCEDURES	9
5.1 Initial Site Entry Procedures	9
5.2 Daily Operating Procedures	9
6.0 EMERGENCY RESPONSE PROCEDURES.....	10
6.1 Emergency Incident Procedures.....	10
6.1.1 Emergency Incident Procedures.....	10
6.1.2 Medical Emergencies	10
6.2 Emergency Routes	11

List of Tables

TABLE 4-1	PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS
------------------	---

List of Attachments

ATTACHMENT 1	HOSPITAL ROUTE MAP
ATTACHMENT 2	BERNIER CONSTRUCTION SAFETY, HEALTH, AND ENVIRONMENTAL PROGRAM

1.0 GENERAL INFORMATION

1.1 INTRODUCTION

This Health and Safety Plan (HASP) was prepared by Berner Construction, Inc. (Berner Construction) to address the activities associated with the scope of work stated in the contract to install a Chain Link Fence along the southern property line of Block 128 and 325-Lot 2 at the Matteo Iron & Metal (Matteo) Site in Thorofare, New Jersey. The HASP will be implemented by the Site Supervisor (SS) for Sierra Environmental Services in accordance with their proposal dated April 5, 2006 during the site work to be conducted in April/May 2006. The Berner Construction Project Coordinator may provide assistance in implementing this HASP. Compliance with this HASP is required of all persons and third parties that enter this site.

The health and safety guidelines included in this HASP were prepared specifically with respect to the site conditions, purposes, dates, and personnel for this project. The content of this HASP may change or undergo revision based upon additional information made available to health and safety personnel or changes in the scope of work. Any proposed changes must be reviewed by the health and safety personnel prior to implementation and are subject to approval by the Project Coordinator.

1.2 SUMMARY

Berner Construction will provide oversight during the installation and erection of the chain link fence at the Matteo Site in Thorofare, New Jersey.

The chain link fence will provide restricted access between the Matteo Site and the adjoining Willow Woods Mobile Home Trailer Park. The fence will restrict access to the existing scrap yard and to the vacant and used portions of the rear of the property bordering the Horse Shoe Branch of the Hessian Run Creek

An eight (8) foot high chain link fence with a top rail will be erected along the southern property line from the property corner along Crown Point Road to the edge of the wetland bordering Hessian Run Creek.

1.3 ACKNOWLEDGEMENT

I acknowledge having reviewed this Health and Safety Plan, understand its contents and agree to abide by it. This Health and Safety Plan is in accordance with and part of Berner's corporate Safety, Health, and Environmental (SHE) program and this program must be adhered to by all employees, subcontractors, and clients with the intent of maintaining an incident-free work environment. Additionally, I am current in the training and medical surveillance requirements specified in 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response.

NAME <i>(Please Print)</i>	SIGNATURE	COMPANY AFFILIATION	DATE
J. Robert Gallagher		Berner Construction, Inc.	

2.0 GENERAL INFORMATION

2.1 SCOPE OF SITE ACTIVITIES

The objective of this project is to furnish and install a chain link fence following the outlined activities:

1. Survey the property line to establish the boundary.
2. Clear the property line of brush and vegetation.
3. Auger post-holes for installation of fence posts.
4. Install 2-½" OD Schedule 40 pipe on ten-foot centers with concrete footings.
5. Install chain link fence fabric.

2.2 TASK DESCRIPTION

2.2.1 SURVEY PROPERTY LINE

A licensed New Jersey Land Surveyor will establish the property line along the southern boundary of Block 128 and 325-Lot 2 by establishing wooden stakes at 50-foot intervals (or closer) along this line to enable the fence contractor to maintain the line and grade necessary for the fence installation.

2.2.2 CLEARING PROPERTY LINE

Based on the results of the property survey, the property line will be cleared of brush, trees and vegetation to an extent that will allow the installation of the chain link fence. The vegetation will be removed by brush hog or with a loader and the vegetation will be deposited on the property on Block 325-Lot 2.

2.2.3 POST-HOLE EXCAVATION AND INSTALLATION OF FENCE POSTS

A Hazwoper-certified technician will install the posthole excavations, loading and unloading the soil, and conduct excavation activities associated with soil handling. The 8-inch diameter holes will be excavated with a power auger to a depth of 36 inches and spaced at 10 feet on centers

along the entire southern property line. The excavated material will be loaded into a small front-end loader (Bobcat) and transported to a lined roll-off container located in the soil staging area. This soil will be placed in the roll-off container and tarped to prevent dust migration.

A 2-½ inch OD Schedule 40 pipe line post will be centered in each hole and backfilled with concrete to the ground surface depth.

2.2.4 INSTALLATION OF CHAIN LINK FENCE FABRIC

After the fence posts have been installed and the concrete cured and hardened, personnel of Burger Fence Company will install the 8-foot high chain link fence fabric (9 gauge – 2 inch mesh) to these posts with aluminum tie wire. A 1-5/8 inch OD Schedule 40 pipe top rail will be installed in 21-foot lengths and joined with 6-inch long sleeves. A tension wire will be attached to the bottom of the fence by securing 7 gauge spring coil wire with 12-½ gauge, stranded, tie wire on 24-inch centers.

The 3-inch diameter Schedule 40 pipe corner posts will be installed in 10-inch diameter post holes to a depth of 36 inches and backfilled with concrete to the ground surface.

3.0 HEALTH AND SAFETY RISK ANALYSIS

3.1 UNDERGROUND UTILITY CLEARANCE

A NJ One Call utility mark out will be conducted to provide protection of underground utilities. Prior to the start of any on site activities, the fence contractor will notify the One Call operator for Dig Safe notification.

3.2 NON-CHEMICAL HAZARDS

Non-chemical hazards are associated with the following:

1. Mechanical (equipment)

Care will be taken when working around mechanized equipment.

2. Lifting

Proper body positioning shall be used when lifting heavy objects (greater than 50 pounds). Two people may lift heavy objects.

3. Ladders

Ladders shall be solidly constructed, in good working condition, and inspected prior to use.

4. Electrical

Electrical tools shall be of the double-insulated type and they shall be maintained in satisfactory condition. Electrical tools shall be inspected daily, before each use, to ensure they are free from physical defects such as frayed or worn cords, broken plugs, or broken housings.

Before operations begin, employees shall confirm by inquiry, direct observation, or instruments if there are any energized electrical circuits, exposed or concealed with

which the employee(s) may come in contact and provide the necessary protection and warning against the hazard(s).

GFCIs are required to be used at all times for personnel protection for 120-volt, single-phase outlets.

5. Overhead power lines

A site inspection will be conducted prior to start of work to identify power lines that may be over the fence line property line.

3.3 CHEMICAL HAZARDS

Based upon information provided to Bernier Construction, the chemical hazards associated with this project are mainly associated with exposure to lead-contaminated soil. Testing has indicated that soils contaminated with lead from the processing and recoveries of lead core, including the battery casings, are present.

The post-holes excavated for the line posts will be kept wet during augering and soil handling activities to minimize dust generation.

Sierra Environmental Services will provide a Site Health and Safety Officer (HSO) to perform personnel air monitoring and to manage the contaminated soil handling activities.

4.0 HEALTH AND SAFETY FIELD IMPLEMENTATION

4.1 PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS

PPE may be upgraded or downgraded by the HSO or Field Supervisor based upon differing site conditions. The initial PPE requirements for the project tasks are defined on Table 4-1 below.

TABLE 4-1

PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS

TASK No.	LEVEL OF PPE	PPE REQUIREMENTS						
		SUIT	GLOVES	FEET	HEAD	EYE	EAR	RESPIRATOR
1 (Sec. 2.2.1)	D	Standard Work Clothes	Leather or Canvas Work Gloves	Steel-toed Safety Boots	Hard Hat	Safety Glasses	None	Not Required
2 (Sec. 2.2.2)	D	Standard Work Clothes	Leather or Canvas Work Gloves	Steel-toed Safety Boots	Hard Hat	Safety Glasses	None	Not Required
3 (Sec. 2.2.3)	D	Standard Work Clothes	Leather or Canvas Work Gloves	Steel-toed Safety Boots	Hard Hat	Safety Glasses	None	Not Required
4 (Sec. 2.2.4)	D	Standard Work Clothes	Leather or Canvas Work Gloves	Steel-toed Safety Boots	Hard Hat	Safety Glasses	None	Not Required

4.2 MONITORING EQUIPMENT REQUIREMENTS

No environmental monitoring will be performed.

4.3 DECONTAMINATION PROCEDURES

The equipment used to excavate the post-holes and to load and unload the excavated materials into a roll-off container will be decontaminated with brushes and power washer (if necessary) at the completion of on-site activities and before removal from the site. This work will be accomplished on the concrete pad in the material lay down area.

Soil excavated during this process will be placed into the roll-off container prior to waste classification for subsequent shipment off-site to an approved disposal facility. Liquids generated during decontamination will be drummed for staging in the existing contaminated area.

5.0 SITE OPERATING PROCEDURES

5.1 INITIAL SITE ENTRY PROCEDURES

- Prior to working on-site, a site inspection will be conducted for physical and chemical hazards.
- Prior to the start of work, a review of overhead utility clearance will be conducted.
- Specialized protocols particular to work tasks associated with the project will be identified, as appropriate.

5.2 DAILY OPERATING PROCEDURES

- Daily Tailgate Safety Meetings will be conducted prior to work start.
- Personal protective equipment (PPE) will be used as specified.
- Hearing protection will be used if noise levels exceed 85 dbA.
- The HSO will be consulted for specific safety concerns for each individual site task.
- The locations of Fire Extinguisher, Eye Wash and First Aid Kit will be reviewed with site personnel.

6.0 EMERGENCY RESPONSE PROCEDURES

6.1 EMERGENCY INCIDENT PROCEDURES

The nature of work at contaminated or potentially contaminated work sites makes emergencies a continual possibility. Although emergencies are unlikely and occur infrequently, a contingency plan is required to assure timely and appropriate response actions. The contingency plan will be developed based upon the actions planned and reviewed at tailgate safety meetings.

6.1.1 Emergency Incident Procedures

If an emergency incident occurs, the following actions will be performed:

- Step 1: The situation will be assessed based on available information.
- Step 2: The HSO and/or Field Supervisor will be notified.
- Step 3: Only trained and properly equipped personnel will respond to an emergency.
- Step 4: Site personnel will be evacuated and emergency response agencies, e.g., police, fire, etc. notified, as appropriate.
- Step 5: Personnel and equipment resources will be allocated and assistance will be requested from outside sources, as necessary.
- Step 6: Key project personnel will be contacted, as appropriate.
- Step 7: An incident report will be prepared and forwarded to the Project Coordinator within 24 hours.

6.1.2 Medical Emergencies

If a medical emergency occurs, the following actions will be taken:

- Step 1: The severity of the injury will be assessed and life-saving first aid/CPR will be performed, as necessary, to stabilize the injured person. Universal precautions will be followed to protect against exposure to blood borne pathogens.
- Step 2: Medical attention will be obtained for the injured person immediately. (911 will be called or the Emergency Contacts will be contacted).

- Step 3: The HSO and Field Supervisor will be notified immediately. The HSO will assume charge during a medical emergency.
- Step 4: Depending on the type and severity of the injury, the injured employee will be transported to the nearest hospital emergency room. If the injury is not serious, the injured employee will be transported to a nearby medical clinic.
- Step 5: The injured person's personnel office, including the Project Coordinator, and Health and Safety Manager, will be notified.
- Step 6: An accident report will be prepared by the HSO. The HSO will submit the report to the Health and Safety Manager within 24 hours. The fax number for the Health and Safety Manager is (717) 442-0457.

6.2 EMERGENCY ROUTES

See Hospital Route Map - Attachment 1

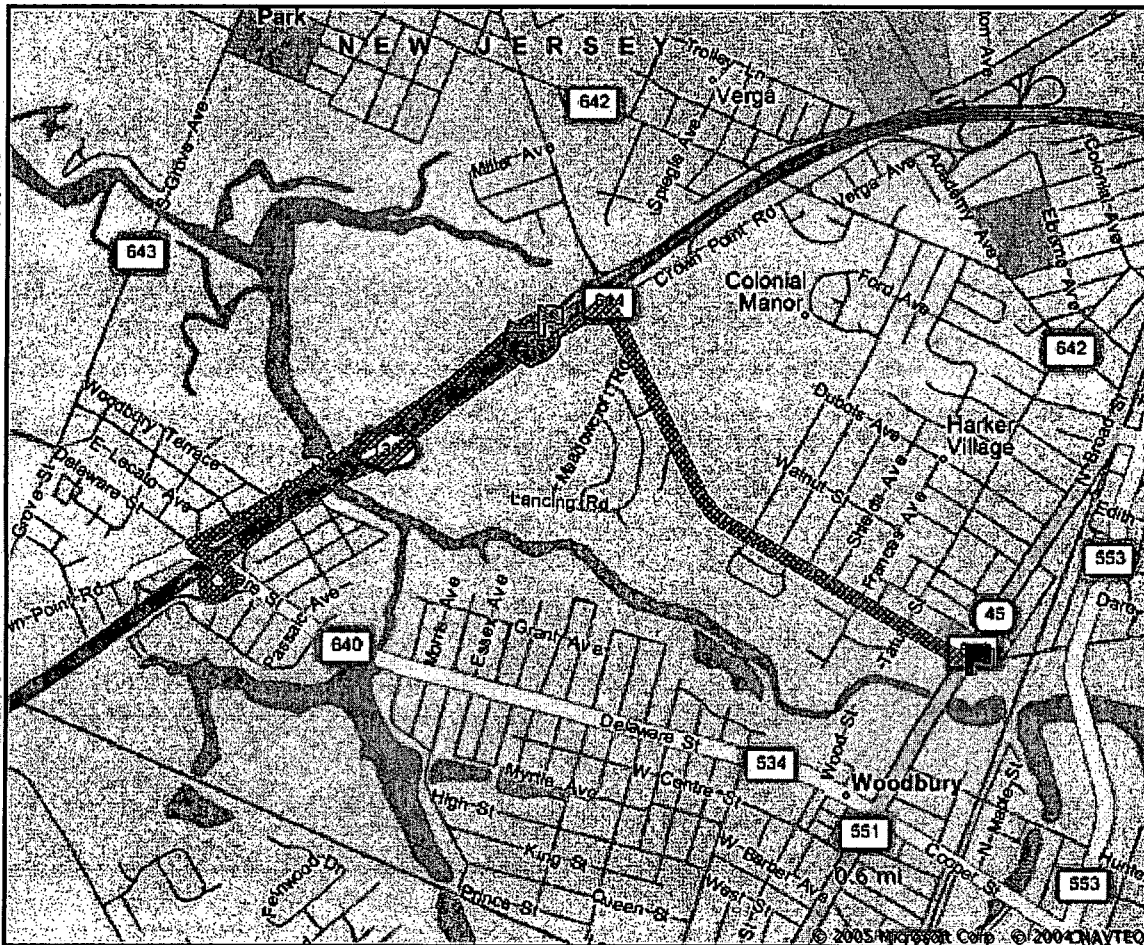
EMERGENCY CONTACTS

(To be Posted)

TITLE	NAME	PHONE NUMBER
EMERGENCY		
Police		911
Fire		911
Local Hospital		(856) 845-0100
Local Ambulance/Rescue		911
Poison Control Center		1-800-poison
Hazardous Waste National Response Center	HAZMAT	1-800- 424-8802
PROJECT/BUSINESS		
Project Coordinator	J. Robert Gallagher, P.E., Bernier Construction, Inc.	(717)-442-3110 Office (267)-738-6067 Cell
HSO, Field Supervisor	Ed Pearl, Sierra Environmental	(856)-988-9259 Office (856)-304-8758 Cell
Client and Site Contact –Matteo Iron & Metal	James Matteo	(856)-845-0398 Office

ATTACHMENT 1

HOSPITAL ROUTE MAP



Start: 1692 Crown Point Rd, Thorofare, NJ
End: 509 n. Broad St, Woodbury, NJ

Distance: 3.5 mi
Time: 8 Minutes

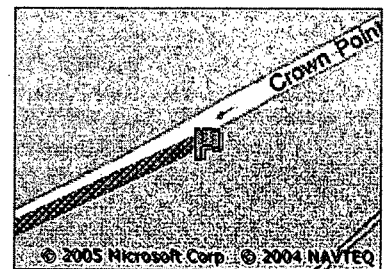
Directions

Start: Depart on Crown Point Rd (West)

Distance

0.9 mi

Detail Map



1:	Turn LEFT (South-East) onto CR-640 [Delaware St]	0.1 mi
2:	Bear RIGHT (South) onto Ramp	0.6 mi
3:	At exit 22, take Ramp (RIGHT) onto Crown Point Rd	0.7 mi
4:	Turn RIGHT (South) onto CR-644 [W Red Bank Ave]	1.2 mi
5:	Turn LEFT (North) onto SR-45 [CR-551]	
End:	Arrive at 509 n. Broad St, Woodbury, NJ	

Hospital Route Map to Underwood Memorial Hospital

ATTACHMENT 2
(COPY MAINTAINED ON SITE)

**BERNER CORPORATE
SAFETY, HEALTH, AND ENVIRONMENTAL PROGRAM**